

CLAIMS

1.- A method for manufacturing rubber weather stripping, which is **characterised** essentially by the fact that the machine (2) is able to make rubber weather stripping (1) from a block of mesh of plastic rubber or foam rubber, by means of a cold welding process. This weather stripping is produced in the form of a long strip, the cross section of which is perfectly round in shape.

2.- A method for manufacturing rubber weather stripping as described in claim 1, **characterised** by the fact that the machine (2) has several ducts (3) along various stretches of the run that expel air upwards, acting on the foam rubber strip by means of a revolving rubber band with holes.

3.- A method for manufacturing rubber weather stripping as described in claims 1 and 2 above, **characterised** by the fact that a system of blades (4) that are laid parallel to each other and separated from each other by semicircular grooves (5) apply pressure to the rubber mesh (1) by means of hydraulic pistons, when the mesh passes over a metal roller (6) that has semicircular grooves (7) that coincide exactly with the grooves of the blades (4).

4.- A method for manufacturing rubber weather stripping as described in the above claims, **characterised** by the fact that the space created between the grooves (5) and (6) make a perfectly round cut in the foam rubber, and by the fact that the pressure applied by the rollers (4) is distributed equally throughout all the areas submitted to the cold welding process, so that when separating the strips later, this operation can be done with the same degree of precision and reliability along the whole length.

5 5.- A method for manufacturing rubber weather stripping, as described in the above claims, **characterised** by the fact that the lower end of the blades (4) is bevelled and by the fact that the weather stripping produced has welded seams along its whole length (8) at both sides.

10 6.- A method for manufacturing rubber weather stripping as described in the above claims, **characterised** by the fact that the application of the adhesive on the weather stripping surface is done by nozzles that release the glue (9) at a high temperature, and spread it evenly over one of the semi-circumferences that form the circular foam rubber strip, and by the fact that the system of maintaining the temperature enables the production process to be speeded up.

15 7.- A method for manufacturing rubber weather stripping as described in the above claims, **characterised** by the fact that a double winding system (10) enables the manufactured product to be assimilated by the machine (2) without the process having to be stopped, and by the fact that the cardboard hubs (11) used to wind the weather stripping are
20 inserted into the axes (12) manually, and the machine automatically alternates between both, slightly modifying the path of the shaped roll, in order to centre the direction of the belts and ensure that pressure is applied evenly.

25 8.- A method for manufacturing rubber weather stripping, as described in the above claims, **characterised** by the fact that the cases (13) in which the rolls of weather stripping are packed, once the process has been completed, are equipped with a cardboard part (14) inside them, that serves as a support for the silicone-coated cardboard hub.